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(73) Owner: Adoma GmbH, 88239 Wengen, Germany.

(74) Representative: Riebling, P., Dipl. Ing., Dr.-Ing., Patent Attorney, 88131 Lindau, Germany.

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(54) Disk for Throwing

(57) A disk for throwing, provided with a disk-shaped middle part and a circular edge, characterized by the fact that the mid-section (1) is provided with a recessed part (3), which is covered by a removable cover 5.

[see figure]

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PATENT ATTORNEY  
DR.-ING. PETER RIEBLING  
Dipl.-Ing.  
EUROPEAN PATENT & TRADEMARK ATTORNEY

P.O. Box 3160  
D-88113 Lindau (Bodensee)  
Telephone (08382) 78025  
Telephone (08382) 9892-0  
Telefax (08382) 78027  
Telefax (08382) 9692-30  
E-mail: [Reibling@t-online.de](mailto:Reibling@t-online.de)

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Applicant: Adoma GmbH, Pettemansdstrasse 4  
D-88239 i. Allgäu, Germany

Disk for Throwing

The invention relates to a disk for throwing that is provided with a disk-formed mid-section and a circular edge.

Similar disks for throwing, also known under the name Frisbee disks, have been used as amusement objects and are known to have many different embodiment forms.

It is also known that similar disk for throwing can be used as advertisement and information carriers when they are provided with inscriptions, advertisement texts, names of companies, etc. However, the surface available for advertising on the disk for throwing and thus also the achievable effect is limited, which means that there is a need to increase the efficiency of advertising.

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The purpose of the present invention is to propose a disk for throwing that can be used not only as an object for amusement, but that is also utilized as an effective information carrier.

This task is achieved in accordance with the characteristics of the independent patent claims.

The invention is based on the fact that the mid-section of the disk for throwing is provided with a recessed part that is covered by a removable cover.

The recessed part and the cover define a flat cavity, which can be used to mount and load therein a flat object, in particular a compact disk.

The cover is preferably held in place clamped, so that on the edge region of the cover or of the recessed part is arranged a continuous or discontinuous reinforcement, which is engaged so that it is clamped in a corresponding notch in the edge region of the recessed part or of the cover.

If the disk for throwing is used as a package for a compact disk, the recessed part is preferably equipped with a centrally arranged clamping device, which is constructed in particular to achieve concentric, clamping mounting support for a compact disk. The clamping device is engaged in a known manner by the central opening of the compact disk and locks the disk.

To make it possible to detach the cover and to remove an object, in particular a compact disk, from the cavity, the mid-section is preferably provided with a recessed grip in the edge region of the cavity.

In another development of the invention, the cover can be also constructed as a disk for throwing and utilized separately from the main disk.

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In order to achieve special effects or a particular advertising effect, the cover can be constructed as a transparent object so that the content of the cavity remains visible.

The following is a more detailed explanation of the invention based on examples of embodiments thereof with reference to drawings. Further characteristics, advantages and applications of the invention will be apparent from the figures and their description. The figures indicate:

- Figure 1: A perspective view of the disk for throwing showing a detached cover and a removed compact disk;
- Figure 2: a cross-sectional view of the disk for throwing along the line II-II in Figure 1 with a stored compact disk and a mounted cover.
- Figure 3: An enlarged view of detail X in Figure 2.
- Figure 4: An enlarged view of detail Y in Figure 2.

Figure 1 shows a disk for throwing, comprising a mid-section 2 and an edge 3 circular to the mid-section. The disk for throwing can be manufactured for example from plastic materials, but also from other suitable materials.

The mid-section 1 is provided with a recessed part 3, arranged preferably concentrically, which can be covered by a cover 5. The recessed part 3 and the mounted cover 5 define a flat cavity that is several millimeters high. This cavity can be used to load in it flat objects such as a compact disk 9 or advertising materials.

To make it easier to remove the compact disk 9 from the recessed part, the recessed part 3 is provided in the edge region with a recessed grip 11.

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The recessed part 3 can be further provided with a concentric clamping device 8, which is constructed in a known manner so that the compact disk 9 is clamped by being locked in its concentric opening 10.

Figure 2 shows a cross-sectional view of the throwing disk according to the invention. The figure shows the recessed part 3 in the mid-section 1, which is covered by a cover 5. In the created cavity is stored a compact disk 9 that is clamped and held by a clamping device 8. The recessed grip 11 serves to enable easy removal of the cover 5.

As one can see from Figure 3 and 4, the cover 5 is provided on its outer edge 6 with a continuous or discontinuous reinforcement 7. When the cover 5 is mounted on the mid-section 1, the reinforcement 7 is engaged by a notch 4 associated with it so that the reinforcement is held clamped in the recessed part 3. It is naturally also possible to create the notch in the cover and the reinforcement on the edge of the recessed part.

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### Explanation of Symbols in the Drawings

- |    |                 |
|----|-----------------|
| 1  | mid-section     |
| 2  | edge            |
| 3  | recessed part   |
| 4  | edge (notch)    |
| 5  | cover           |
| 6  | edge            |
| 7  | reinforcement   |
| 8  | clamping device |
| 9  | compact disk    |
| 10 | opening         |
| 11 | recessed grip   |

### Protective Claims

1. A disk for throwing, equipped with a disk-shaped mid-section and a circular edge, characterized by the fact that the mid-section (1) is provided with a recessed part (3), which is covered by a removable cover (5).
2. The disk for throwing according to claim 1, characterized by the fact that the recessed part (3) and the cover (5) define a flat cavity.
3. A disk for throwing according to one of the preceding claims, characterized by the fact that in the edge region (6) of the cover (5) or of the recessed part (3) is arranged a continuous or a discontinuous reinforcement (7), which is engaged by being clamped in a corresponding notch (4) in the edge region of the recessed part or of the cover.
4. The disk for throwing according to one of the preceding claims, characterized by the fact that the cavity is constructed in particular for the mounting of a compact disk (9).
5. The disk for throwing according to one of the preceding claims, characterized by the fact that the cavity is provided with a concentrically arranged clamping device (8).
6. The disk for throwing according to one of the preceding claims, characterized by the fact that the clamping device (8) is constructed in particular for the mounting of a concentrically clamped compact disk (9).

7. The disk for throwing according to one of the preceding claims, characterized by the fact that the mid-section (1) is provided in the edge region of the recessed part (3) with a recessed grip (11).
8. The disk for throwing according to one of the preceding claims, characterized by the fact that the cover (5) is also constructed as a disk for throwing.
9. The disk for throwing according to one of the preceding claims, characterized by the fact that the cover (5) is constructed transparent.
10. A disk for throwing equipped with a disk-shaped mid-section and a circular edge, characterized by the fact that it is constructed as packaging for a flat object.
11. A disk for throwing equipped with a disk-shaped mid-section and a circular edge, characterized by the fact that it is constructed as a covering for a compact disk (9).



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Figure 1

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Figure 2, Figure 3, and Figure 4